238719

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Scientific & Technical Information Center

STIC EIC 2100 Search Request Form

96

Today's Date: 9/28/07

What date would you like to use to limit the search?
Priority Date: 8/10/2000 Other:

Name Tammy Thanh Nguyen
AU 2144 Examiner # 79566
Room # 4A35 Phone 3929
Serial # 09/637039

Format for Search Results (Circle One):
(PAPER) DISK EMAIL

Where have you searched so far?
USP DWPI (EPO) (JPO) (ACM) IBM TDB
(IEEE) INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES) NO
A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES (NO)

Is this case a SPECIAL CASE? (Circle One) YES (NO)

Automatically identify first and second computer components for connections for according to a predetermined cabling sequence for connections plurality component and automatically determining a type of cabling connection to be made between first and second components automatically identify first second physical ports generating ~~If LED~~ a user detectable illuminate signal to determine if physical ports connect or not.

STIC Searcher BM, MS Phone 2-3528
Date picked up 9/28/07 Date Completed 9/28/07

sira
Search and Information Resources Administration

STIC Scientific & Technical Information Center

STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact*:**

Alyson Dill, EIC 2100 Team Leader
272-3527, RND 4B28

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 2133*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (Journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

sira Search and Information Resources Administration

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Set     Items   Description
S1     816338   ((CABLE OR DATA)()MODEM? OR CABLE? OR COMMUNICATION? OR DA-
             TA OR HIGH???()SPEED? OR BROADBAND OR HOOK()UP)(3N)(MODEM? OR
             DEVICE? OR INSTRUMENT? OR MECHANISM? OR MACHINE? ? OR UNIT? OR
              APPARAT? OR HARDWARE?)
S2      81763   S1(3N)(CONNECT? OR LINK??? OR COUPL?)
S3       1609   S2(5N)(STYLE? ? OR TYPE? OR KIND? ?)
S4       5620   S2:S3(5N)(DETERMIN? OR COMPAR? OR DISCERN? OR ASCERTAIN? OR
              ANALY? OR IDENT? OR CHECK? OR VERIF? OR JUDG????)
S5        209   S4(5N)(DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
             NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6         56   S5 AND AC=US/PR AND AY=(2001:2007)/PR
S7         85   S5 AND AC=US AND AY=2001:2007
S8         72   S5 AND AC=US AND AY=(2001:2007)/PR
S9        155   S5 AND PY=2001:2007
S10       155   S6:S9
S11        54   S5 NOT S10
S12        54   S11 AND S2
S13        40   S12 AND AUTOMATIC?
S14        18   S13 AND IDENT?
S15        22   S13 NOT S14
S16        14   S11 NOT S13
File 350:Derwent WPIX 1963-2007/UD=200761
         (c) 2007 The Thomson Corporation
File 347:JAPIO Dec 1976-2007/Jun(Updated 070926)
         (c) 2007 JPO & JAPIO
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14/69,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008344078 - Drawing available
WPI ACC NO: 1997-457129/199742
XRPX Acc No: N1997-380785
Method of connecting peripheral device for automatically **assigning device** identifier **in data processing system - involves** automatically **setting device** identifier **within each of peripheral devices in response to reading one of number of connector** identifiers
Patent Assignee: CASSIDY B M (CASS-I); ISLAM S M R (ISLA-I)
Inventor: CASSIDY B M; ISLAM S M R
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5666557	A	19970909	US 1994260640	A	19940616	199742 B
			US 1996711711	A	19960912	

Priority Applications (no., kind, date): US 1994260640 A 19940616; US 1996711711 A 19960912

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5666557	A	EN	14	8	Continuation of application US 1994260640

Alerting Abstract US A
The method involves providing a number of physical locations for receiving peripheral devices. Connectors are provided at each of the number of physical locations for **coupling** the peripheral **devices** to the **data** processing system. One of a number of connector **identifiers** are associated with each of the connectors. Each physical location is associated with one of the number of connector **identifiers** . Each of the peripheral devices is connected to one of the connectors. The peripheral devices are **coupled** to the **data** processing system. The **device identifier** is **automatically** set within each of the peripheral devices in response to reading one of the number of connector **identifiers** . The device **identifier** is associated with the one of the number of connector **identifiers** associated with the one of the number of connectors. The device **identifier** is associated with the physical location for each of the peripheral devices.
ADVANTAGE - **Automatically** assigning device **identifier** based upon location of installed peripheral device.

Title Terms/Index Terms/Additional Words: METHOD; CONNECT; PERIPHERAL; DEVICE; **AUTOMATIC** ; ASSIGN; **IDENTIFY** ; DATA; PROCESS; SYSTEM; SET; RESPOND; READ; ONE; NUMBER

Class Codes
International Classification (Main): G06F-013/00
US Classification, Issued: 395828000, 395830000, 395835000, 395837000, 395182040, 395183010, 395183200, 711100000, 711114000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-C07C4; T01-H05A

Method of connecting peripheral device for automatically **assigning device** identifier **in data processing system...**

...**involves** automatically **setting device** identifier **within each of peripheral devices in response to reading one of number of connector** identifiers

Original Titles:
Method and apparatus for **automatically** assigning device **identifiers** on a parallel data bus.

Alerting Abstract ...receiving peripheral devices. Connectors are provided at each of the number of physical locations for **coupling** the peripheral **devices** to the **data** processing system. One of a number of connector **identifiers** are associated with each of the connectors. Each physical location is associated with one of the number of connector **identifiers** . Each of the peripheral devices is connected to one of the connectors. The peripheral devices are **coupled** to the **data** processing system. The **device identifier** is **automatically** set within each of the peripheral devices in response to reading one of the number of connector **identifiers** . The device **identifier** is associated with the one of the number of connector **identifiers** associated with the one of the number of connectors. The device **identifier** is associated with the physical location for each of the peripheral devices...

...ADVANTAGE - **Automatically** assigning device **identifier** based upon location of installed peripheral device.

Title Terms.../Index Terms/Additional Words: **AUTOMATIC** ; ...

... **IDENTIFY** ;

Original Publication Data by Authority

Original Abstracts:
An apparatus for providing **identification** information to a **peripheral device connected** to a **data processing** system via **a** parallel **communications** interface **cable** . The **apparatus** includes **a cable connector** for **connecting to a** cable **coupled** to the data **processing** system and **a** peripheral **device connector** for **connecting** to the peripheral **device** . The **cable connector and** the **peripheral device connector** are **coupled together to** provide **communication** between the data processing system and the peripheral device. The apparatus also includes means for providing **identification** information to the **connected** peripheral device. Such **identification** information is utilized **by** the peripheral device to set a device **identifier** . In one embodiment, **device identifiers** are set utilizing **identification** information

selected in **conjunction** with the physical location of the peripheral device. In one embodiment, the apparatus is utilized...

...and to provide the SCSI hard disk drive information necessary to set a SCSI device **identification** number.

Claims:
A method in a data processing system capable of connecting to peripheral devices for **automatically** assigning **a** device **identifier** to **said** connected peripheral devices, said method comprising the steps of:providing a plurality of physical locations for receiving peripheral devices;providing connectors at each of said plurality of physical locations for **coupling** said peripheral **devices** to said **data** processing system; **associating** one of **a** plurality of **connector**

identifiers with each of said connectors;associating each of said plurality of physical locations with one of said plurality of connector identifiers ;connecting each of said peripheral devices to one of said connectors, wherein said peripheral devices are coupled to said data processing system; within each of said peripheral devices , reading one of said plurality of connector identifiers associated with said one of said connectors from said one of said connectors connected to each of said peripheral devices; and automatically setting said device identifier within each of said peripheral devices in response to reading said one of said plurality of connector identifiers , said device identifier being associated with said one of said plurality of connector identifiers associated with said one of said plurality of connectors, wherein said device identifier is associated with said physical location for each of said peripheral devices.

14/69,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0007504311 - Drawing available
WPI ACC NO: 1996-116473/199612
XRPX Acc No: N1996-097425
Communications interfacing method for diagnosis of automobile electronic devices - requires initially selecting connector adaptor from provided adaptors in order to provide diagnostic communication interface between tool connector and vehicle connector
Patent Assignee: GENERAL MOTORS CORP (GENK)
Inventor: ALFARO E J; FRANK E
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5491418	A	19960213	US 1994330539	A	19941027	199612 B

Priority Applications (no., kind, date): US 1994330539 A 19941027

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5491418	A	EN	10	6	

Alerting Abstract US A
An automotive vehicle diagnostic communications interface method comprising the steps of establishing a schedule of predetermined diagnostic communication configurations having a number of elements each of the number of elements of the schedule corresponding to one of a number of automotive vehicle diagnostic classifications; providing a connector adapter for each of the number as the connector adapter that is used as a diagnostic communications interface with it; selecting a connector adapter from the provided connector adapters as the connector adapter providing a diagnostic communications interface between the tool connector and the vehicle connector; applying the selected connector adapter to the tool connector; and activating the diagnostic tool whereby the diagnostic tool **automatically** establishes communications with the vehicle electronic devices via the applied connector adapter, by (a) detecting which connector adapter from the provided connector adapters has been applied to the diagnostic tool, (b) referencing the diagnostic communications configuration corresponding to the vehicle diagnostic classification for which the detected connector adapter has been applied, (c) configuring the diagnostic tool in accord with the referenced diagnostic communications configuration, and (d) providing diagnostic communications with the vehicle electronic devices under the diagnostic tool configuration.
USE/ADVANTAGE - For interfacing a diagnostic tool having a tool connector with an automotive vehicle having a vehicle connector to provide for diagnostic communications between the diagnostic tool and electronic devices on-board the automotive vehicle. Capable of operating with a single tool for communicating under a wide range of communication protocols without manual reconfiguration.

Title Terms/Index Terms/Additional Words: COMMUNICATE; INTERFACE; METHOD; DIAGNOSE; AUTOMOBILE; ELECTRONIC; DEVICE; REQUIRE; INITIAL; SELECT; CONNECT; ADAPT; ORDER; TOOL; VEHICLE

Class Codes
International Classification (+ Attributes)

IPC + Level	Value	Position	Status	Version
G01R-0031/00	A	I	R	20060101

G01R-0031/00 C I R 20060101
US Classification, Issued: 324402000, 307009100, 307010100, 439034000, 340825070, 364424030

File Segment: EngPI; EPI;
DWPI Class: S02; W01; W05; X22; Q14; Q54
Manual Codes (EPI/S-X): S02-J02E; W01-A06B5A; W01-A06F; W05-D07D; X22-A05

Alerting Abstract ...connector adapter to the tool connector; and activating the diagnostic tool whereby the diagnostic tool **automatically** establishes communications with the vehicle electronic devices via the applied connector adapter, by (a) detecting...

Original Publication Data by Authority

Original Abstracts:
A diagnostic tool having a communications interface adapter for flexible diagnostic communications with automotive vehicle **electronic devices automatically identifies** , when **connected to the** adapter, the vehicle **type** associated with the adapter, and **automatically** establishes from stored **communications** information, the diagnostic communications format under which the electronic devices associated with the **identified** vehicle type communicate. **Diagnostic** tool communications hardware is then **automatically** initialized to prepare **for** diagnostic communications with minimum operator intervention.
Claims:
...and a controller included with the diagnostic tool responsive to the sensed connector adapter for **identifying** the **one** of the predetermined plurality of automotive vehicle classes to which the sensed connector adapter is...

14/69,K/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0006208057 - Drawing available
WPI ACC NO: 1992-374906/199246
XRPX Acc No: N1992-285778
Interconnection system for domestic video appliances - has control sub-device detecting interconnections by selectively interrupting or enabling supply of user information between appliances
Patent Assignee: D2B SYSTEMS CO LTD (DTWO-N)
Inventor: WELMER H J
Patent Family (10 patents, 9 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 512604	A2	19921111	EP 1992201155	A	19920424	199246	B
FI 199201918	A	19921104	FI 19921918	A	19920429	199306	E
JP 5176321	A	19930713	JP 1992111719	A	19920430	199332	E
EP 512604	A3	19930303	EP 1992201155	A	19920424	199349	E
US 5491805	A	19960213	US 1992856774	A	19920324	199612	E
			US 1994360189	A	19941220		
EP 512604	B1	19970305	EP 1992201155	A	19920424	199714	E
DE 69217705	E	19970410	DE 69217705	A	19920424	199720	E
			EP 1992201155	A	19920424		
ES 2101023	T3	19970701	EP 1992201155	A	19920424	199736	E
FI 104448	B1	20000131	FI 19921918	A	19920429	200012	E
KR 264094	B1	20000816	KR 19927529	A	19920502	200134	E

Priority Applications (no., kind, date): GB 19919609 A 19910503

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 512604	A2	EN	10	3	
Regional Designated States,Original: AT BE DE ES FR GB IT					
EP 512604	A3	EN			
US 5491805	A	EN	8		Continuation of application US 1992856774
EP 512604	B1	EN	12	3	
Regional Designated States,Original: AT BE DE ES FR GB IT					
DE 69217705	E	DE			Application EP 1992201155 Based on OPI patent EP 512604
ES 2101023	T3	ES			Application EP 1992201155 Based on OPI patent EP 512604
FI 104448	B1	FI			Previously issued patent FI 9201918

Alerting Abstract EP A2
The system enables **automatic** cable detection between appts. processing user information signals. Each appts. has an interface for communication of control messages via a serial data channel, and is independently addressable.
Each first appts. responds to three types of control message from an addressable control sub-device to respectively interrupt the supply of user information to the appts. output connectors, and selectively enable the supply to one connector, or re-enable it to the output connectors to allow normal operation. A detector indicates whether a given class of user information signal is being received at each second appts. input connector.
ADVANTAGE - Maximises use of existing hardware, avoiding unnecessary cost and complexity. Facilitates standardisation.

Title Terms/Index Terms/Additional Words: INTERCONNECT; SYSTEM; DOMESTIC; VIDEO; APPLIANCE; CONTROL; SUB; DEVICE; DETECT; SELECT; INTERRUPT; ENABLE ; SUPPLY; USER; INFORMATION

Class Codes
International Classification (Main): G06F-013/00, H04B, H04B-001/20, H04N-007/16, H04N-007/173
US Classification, Issued: 395284000, 395800000, 364927920, 364927950, 364927990, 364941800, 364DIG002, 364267300, 364267800, 364DIG001

File Segment: EPI;
DWPI Class: W03; W04
Manual Codes (EPI/S-X): W03-G05; W04-K07

Original Titles:
...Apparatus for **automatically identifying** point-to-point cable interconnections among a plurality of components which are also linked via ...

Alerting Abstract ...The system enables **automatic** cable detection between appts. processing user information signals. Each appts. has an interface for communication...

Original Publication Data by Authority

Original Abstracts:
...detector functions are defined, which can be activated and controlled via the bus (16) to **identify automatically** video cable **connections** (**64** ,66,68) between various plugs (26-1,2,3, 52-1,2,3, etc.) of...

...1,2,3, 52-1,2,3, etc.) of the apparatuses (10,12,14) are **identified automatically** by interrupting signal transmission from all apparatuses **involved then** allowing a single transmission from an input to the connections and detecting the where the signal is output. By repeating the process with other all connections may be traced. The **automatic identification** of cable connections occurs without requiring additional **conductors for** cable detection signals.
Claims:
...the given class of user information signal, the input connector being connectable via a cable **to** the output **connector** of the first **apparatus** ; the system including **cable** detection means for **determining automatically** which first **apparatus** , **if** any, is **connected** to the or each input connector of the second **apparatus** , characterized in that **the cable** detection means comprises: - means addressable via data channel as a control subdevice for generating a sequence of control messages for controlling said **automatic** determination, said sequence including **first** , second and third types of messages; - signal generator means within each first apparatus for (i...

...The system enables **automatic** cable detection between appts. processing user information signals. **Each** appts. has an interface for communication of control messages via a serial data channel, and...

...the communication of control messages via a serial data channel and being independently addressable via **said data** channel, the **apparatuses** including: - **at** least one first **apparatus** having at **least** one output **connector** for a given class of user information signal; and - at least one second apparatus having...

...one input connector for the given class of user information signal, the input connector being 1connectable via a **cable** to the output **connector** of **the** first **apparatus** ; the system including **cable** detection means for **determining automatically** whether, for the or each input connector of **the** second apparatus, there **is** a **connection** to **the** or a first **apparatus and** , if so, to which first apparatus, **characterized** in that the **cable** detection means comprises: - **means** addressable via the **data** channel **as** a control subdevice for generating a sequence of control messages for controlling said **automatic** determination, said sequence including first, second and third types of messages; - signal generator means within each first apparatus for (i) in response **to** a message of the first type interrupting the supply of user information signals of the...

...control channel, said system having cable detection means addressable via said serial control channel for **automatically** detecting said point-to-point interconnections through generating a sequence of a first message, a subsequence of second messages, and a third message, each said input being provided **with** a detector for such user information, said first message interrupting any supply of user information...

...activating at most one unique detector, a time-sequential detection pattern of all detectors thus **identifying** said interconnections, said third message re-enabling the supply of user information to all said interconnections.

14/69,K/16 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0001217261
WPI ACC NO: 1976-J4559X/197638
Data modem having line verification and automatic **disconnect features - has line verification circuit with tone generator for disabling echo suppressors**
Patent Assignee: MILGO ELECTRONICS (MILG-N)
Inventor: BORYSIEWICZ R; ROEDEL C W; SO R T; SWAN L W
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 3979559	A	19760907	US 1974438386	A	19740131	197638 B
			US 1975609596	A	19750902	
			US 1975609596	A	19750902	

Priority Applications (no., kind, date): US 1975609596 A 19750902

Alerting Abstract US A
The modem has line verification circuitry for **automatically** advising that a direct distance dialed network has been connected between the communicating modems with the echo suppressors in the network disabled. The line verification circuitry includes a first tone generator for emitting a unique tone for disabling the echo suppressors in the telephone line. A communicating modem, upon receiving this unique tone activates a second tone generator that emits a different second tone which is not capable of disabling the echo suppressors but is capable of transmission through the telephone line when the echo suppressors are disabled. The modem provides a data set ready signal to the data terminal equipment upon a telephone line being established between the communicating modems.

Title Terms/Index Terms/Additional Words: DATA; MODEM; LINE; VERIFICATION; **AUTOMATIC** ; DISCONNECT; FEATURE; CIRCUIT; TONE; GENERATOR; DISABLE; ECHO; SUPPRESS

Class Codes
International Classification (+ Attributes)
IPC + Level Value Position Status Version
H04B-0003/20 A I R 20060101
H04M-0011/06 A I R 20060101
H04B-0003/20 C I R 20060101
H04M-0011/06 C I R 20060101
US Classification, Issued: 379097000, 379407000

File Segment: EPI;
DWPI Class: W01

Data modem having line verification and automatic **disconnect features...**

Original Titles:
Data modem having line verification and **automatic**

Alerting Abstract ...The modem has line verification circuitry for **automatically** advising that a direct distance dialed network has been connected between the communicating modems with...

Title Terms.../Index Terms/Additional Words: **AUTOMATIC** ;

Original Publication Data by Authority

Original Abstracts:

Modems having line verification circuitry for **automatically** advising that a direct distance dialed network has been connected between the communicating modems with the echo suppressors in the network disabled, is disclosed. The line verification circuitry is either **identical** for all modems or may be master/slave equipment. The line verification circuitry includes a...

...disabled. (63)disabling the at both modems respond to the first and second tones for **automatically verifying** the existence of the desired **communication link** . The **modem** provides a **data** set ready signal to the data terminal equipment upon a telephone line being established between ...

14/9/18 **(Item 1 from file: 347)**
DIALOG(R)File 347:JAPIO

03697935 **Image available**
TRANSMISSION SYSTEM **IDENTIFYING** METHOD FOR MODEM

PUB. NO.: 04-063035 [JP 4063035 A]
PUBLISHED: February 28, 1992 (19920228)
INVENTOR(s): OHASHI MASAKAZU
APPLICANT(s): SHARP CORP [000504] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-173821 [JP 90173821]
FILED: June 29, 1990 (19900629)
INTL CLASS: [5] H04L-007/00; H04L-029/06
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy)
JOURNAL: Section: E, Section No. 1218, Vol. 16, No. 271, Pg. 45, June 18, 1992 (19920618)

ABSTRACT

PURPOSE: To **automatically identify** the transmission system of a **modem connected** to a **communication** part by **checking** whether or not dummy data is present in a buffer for transmission after the lapse of a prescribed time after writing the dummy data, and **identifying** a system as a synchronous system when no dummy data is present thereon and as a start-stop synchronization system when the dummy data is present thereon.

CONSTITUTION: A control part 11 writes the dummy data on a parallel buffer 15 for transmission in the communication part 12 after setting the transmission code generating mode of the communication part 12 at the one by the synchronous system. When the transmission system of the modem 14 is the synchronous system, the dummy data is serial/parallel-converted based on a clock signal sent out from the modem 14, and a t transmission code is generated, and is transmitted to the modem 14, therefore, no dummy data is present in the parallel buffer 15 for transmission. When the transmission system is the start-stop synchronization system, the dummy data remains in the buffer. Then, the control part 11 checks whether or not the dummy data is present in the parallel buffer 15 for transmission after the lapse of the prescribed time after the dummy data is written.

15/69,K/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0007710998 - Drawing available
WPI ACC NO: 1996-333457/199633
Related WPI Acc No: 1996-036516; 1996-264782
XRPX Acc No: N1996-281047
Measurement appts. for evaluating light emitting device automatically , **esp. for laser diodes in optical CATV - has photodetector for converting input light signal to electric current, which is amplified by DC amplifier, and digitised by A-D converter**
Patent Assignee: ADVANTEST KK (ADVA-N)
Inventor: BENDO M; MORI H
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5534996	A	19960709	US 1994309904	A	19940921	199633 B

Priority Applications (no., kind, date): JP 1993257622 A 19930921; JP 1993257623 A 19930921; JP 199357924 A 19930930

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5534996	A	EN	11	12	

Alerting Abstract US A

The appts. includes a photo-detector for converting input light signal from LED to an electric current, DC amplifier for amplifying DC component in the electric current from the photo detector, first AD converter for digitising output from DC amplifier, RF amplifier for amplifying HF component in the electric current, a detector for detecting output from the RF amplifier, and second AD converter for digitising the output from the detector.

A controller for controlling sequences of **automatic** measuring operations, reads measured data from the first and second AD converters, and calculates the measured data for determining characteristics of the LED. A display device, coupled to the controller, displays the characteristics of the LED.

The appts. further includes first and second push-button switches, coupled to the controller, for triggering the appts. to **automatically** measure a C-N ratio and an optical modulation index of the LED based on measured data.

USE/ADVANTAGE - **Automatically** measures carrier-noise ratio, optical modulation index, and relative intensity noise of light emitting device, and graphically displays resulting data.

Title Terms/Index Terms/Additional Words: MEASURE; APPARATUS; EVALUATE; LIGHT; EMIT; DEVICE; **AUTOMATIC** ; LASER; DIODE; OPTICAL; CATV; PHOTODETECTOR; CONVERT; INPUT; SIGNAL; ELECTRIC; CURRENT; AMPLIFY; DC; DIGITAL; ANALOGUE-DIGITAL; CONVERTER

Class Codes
International Classification (+ Attributes)
IPC + Level Value Position Status Version

G01J-0001/44	A	I	R	20060101
G01R-0031/26	A	I	R	20060101
G01J-0001/44	C	I	R	20060101
G01R-0031/26	C	I	R	20060101

US Classification, Issued: 356218000, 356226000, 356227000, 359110000

File Segment: EPI;
DWPI Class: S03; U11; U12; V08; W02
Manual Codes (EPI/S-X): S03-A01B; U11-F01C5; U12-A01B; V08-A06; W02-C04A1D; W02-C04B1; W02-C04C1A; W02-F03A3

Measurement appts. for evaluating light emitting device automatically , **esp. for laser diodes in optical** CATV ...

Alerting Abstract ...A controller for controlling sequences of **automatic** measuring operations, reads measured data from the first and second AD converters, and calculates the...

...first and second push-button switches, coupled to the controller, for triggering the appts. to **automatically** measure a C-N ratio and an optical modulation index of the LED based on...

...USE/ADVANTAGE - **Automatically** measures carrier-noise ratio, optical modulation index, and relative intensity noise of light emitting device...

Title Terms.../Index Terms/Additional Words: **AUTOMATIC** ;

Original Publication Data by Authority

Original Abstracts:
A measurement apparatus and method for evaluating a light emitting device **automatically** measures a carrier- **noise** ratio, an optical modulation index, and a relative intensity noise of the light emitting device...

...digital convertor for digitizing the output of the detector, a controller for controlling sequences of **automatic** measuring operations, a **display** device for displaying the characteristics of the light emitting device.
Claims:
...digital convertor for digitizing an output of said detector;</br>a controller for controlling sequences of **automatic** measuring operations, for reading measured data from said first and second analog-to-digital convertors, and for calculating said measured **data** for **determining** characteristics of said **light** emitting **device** ;</br>a display device, **coupled** to said controller, for displaying said characteristics of said light emitting device.

15/9/22 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO

02431574 **Image available**
CABLE DISCONNECTION CHECK SYSTEM

PUB. NO.: 63-048474 [JP 63048474 A]
PUBLISHED: March 01, 1988 (19880301)
INVENTOR(s): TANIYAMA YUKIO
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 61-193419 [JP 86193419]
FILED: August 19, 1986 (19860819)
INTL CLASS: [4] G01R-031/04; H01R-023/68
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 41.5 (MATERIALS -- Electric Wires & Cables)
JOURNAL: Section: P, Section No. 734, Vol. 12, No. 264, Pg. 28, July 23, 1988 (19880723)

ABSTRACT

PURPOSE: To detect a defect in the connection of a connector for cable connection in its early state by **checking** the **cable** disconnection of a **device connected** by the **connector** for cable connection **automatically**.

CONSTITUTION: Wires corresponding to a 2nd pin P2 and the 50th pin P50 of a PT plate 3 inserted into a PT plate side connector 1 are connected to the connection point of resistors R1 and R2, one terminal side of the resistance R1 is grounded, and one terminal side of the resistor R2 is connected to a power source VCC. Further, those wires are connected to the input terminal of an AND circuit 5 and the voltage states of the 2nd pin P2 and the 50th pin P50 are monitored by an AND circuit 5. In such a state, if the 2nd pin P2 is not connected, an open state is entered and the output of the AND circuit 5 is false. A receiving circuit 4 receiving this state sends out an error signal. When the 2nd pin P2 is connected, a short circuit to the ground is formed, the AND output of the AND circuit 5 becomes true, and the connection OK state of the connector 10 for cable connection is displayed through the receiving circuit 4.

```
Set     Items   Description
S1     328892   ((CABLE OR DATA)()MODEM? OR CABLE? OR COMMUNICATION? OR DA-
             TA OR HIGH???()SPEED? OR BROADBAND OR HOOK()UP)(3N)(MODEM? OR
             DEVICE? OR INSTRUMENT? OR MECHANISM? OR MACHINE? ? OR UNIT? OR
              APPARAT? OR HARDWARE?)
S2      57265   S1(3N)(CONNECT? OR LINK??? OR COUPL?)
S3       2139   S2(5N)(STYLE? ? OR TYPE? OR KIND? ?)
S4       2971   S2:S3(5N)(MONITOR? OR DETERMIN? OR COMPAR? OR DISCERN? OR -
             ASCERTAIN? OR ANALY? OR IDENT? OR CHECK? OR VERIF? OR JUDG???-
             ?)
S5         58   S4(5N)(DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
             NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6          8   S5(100N)S3
S7          5   S5(100N)(CABLE? OR DATA)(2N)MODEM?
S8          5   S7 NOT S6
S9          7   S5(100N)AUTOMATIC?()IDENT?
S10         6   S9 NOT S6:S8
File 348:EUROPEAN PATENTS 1978-2007/ 200738
         (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070927UT=20070920
         (c) 2007 WIPO/Thomson
```

10/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01189779
SYSTEM AND METHOD FOR THE AUTOMATIC IDENTIFICATION **OF ACCESSORIES** COUPLED **TO A WIRELESS** COMMUNICATION DEVICE
SYSTEM UND VERFAHREN ZUR AUTOMATISCHEN IDENTIFIZIERUNG VON ZUBEHOREN , WELCHE GEKUPPELT SIND MIT EINEM SCHNURLOSEN KOMMUNIKATIONSGERAT
SYSTEME ET PROCEDE PERMETTANT D'IDENTIFIER AUTOMATIQUEMENT DES ACCESSOIRES COUPLES A UN DISPOSITIF DE COMMUNICATION SANS FIL
PATENT ASSIGNEE:
QUALCOMM Incorporated, (910896), 5775 Morehouse Drive, San Diego, California 92121, (US), (Applicant designated States: all)
INVENTOR:
HUTCHISON, James, A., IV, 2013 Cardinal Drive, San Diego, CA 92123, (US)
DEN BESTE, Steven, C., 3534 Seahorn Circle, San Diego, CA 92130, (US)
HUANG, Hanchi c/o QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, CA 92121, (US)
LEGAL REPRESENTATIVE:
Wagner, Karl H., Dipl.-Ing. (12567), Wagner & Geyer, Patentanwalte, Gewurzmuhlstrasse 5, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1145578 A1 011017 (Basic)
WO 200042797 000720
APPLICATION (CC, No, Date): EP 2000903242 000111; WO 2000US662 000111
PRIORITY (CC, No, Date): US 229131 990112
DESIGNATED STATES: DE; ES; FR; GB; IT
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): H04Q-007/32; H04B-001/38; H04M-001/60
CITED PATENTS (WO A): EP 861009 A ; US 5797102 A ; WO 9851016 A ; EP 861008 A ; US 5783926 A ; US 5859522 A
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	000913 A1	International application. (Art. 158(1))
Application:	000913 A1	International application entering European phase
Application:	011017 A1	Published application with search report
Examination:	011017 A1	Date of request for examination: 20010808
Change:	020116 A1	Inventor information changed: 20011128
Assignee:	030115 A1	Transfer of rights to new applicant: QUALCOMM Incorporated (4126330) 5775 Morehouse Drive San Diego, California 92121-1714 US
Change:	040519 A1	Designated contracting states changed 20040401

LANGUAGE (Publication,Procedural,Application): English; English; English

SYSTEM AND METHOD FOR THE AUTOMATIC IDENTIFICATION **OF ACCESSORIES** COUPLED **TO A WIRELESS** COMMUNICATION DEVICE

```
Set     Items   Description
S1     308156   ((CABLE OR DATA)()MODEM? OR CABLE? OR COMMUNICATION? OR DA-
             TA OR HIGH???()SPEED? OR BROADBAND OR HOOK()UP)(3N)(MODEM? OR
             DEVICE? OR INSTRUMENT? OR MECHANISM? OR MACHINE? ? OR UNIT? OR
              APPARAT? OR HARDWARE?)
S2       7493   S1(3N)(CONNECT? OR LINK??? OR COUPL?)
S3         90   S2(5N)(STYLE? ? OR TYPE? OR KIND? ?)
S4        582   S2:S3(5N)(MONITOR? OR DETERMIN? OR COMPAR? OR DISCERN? OR -
             ASCERTAIN? OR ANALY? OR IDENT? OR CHECK? OR VERIF? OR JUDG???-
             ?)
S5         27   S4(5N)(DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
             NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6         22   RD  (unique items)
File   2:INSPEC 1898-2007/Sep W3
         (c) 2007 Institution of Electrical Engineers
File   6:NTIS 1964-2007/Oct W1
         (c) 2007 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1884-2007/Sep W3
         (c) 2007 Elsevier Eng.  Info. Inc.
File  34:SCISEARCH(R) CITED REF SCI 1990-2007/SEP W4
         (c) 2007 THE THOMSON CORP
File  35:Dissertation Abs Online 1861-2007/Jul
         (c) 2007 ProQuest Info&Learning
File  56:Computer and Information Systems Abstracts 1966-2007/Sep
         (c) 2007 CSA.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Aug
         (c) 2007 CSA.
File  62:SPIN(R) 1975-2007/Sep W1
         (c) 2007 American Institute of Physics
File  65:Inside Conferences 1993-2007/Sep 28
         (c) 2007 BLDSC all rts. reserv.
File  95:TEME-Technology & Management 1989-2007/Sep W3
         (c) 2007 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2007/Aug
         (c) 2007 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2007/Sep 20
         (c) 2007 The Gale Group
File 144:Pascal 1973-2007/Sep W3
         (c) 2007 INIST/CNRS
File 239:Mathsci 1940-2007/Oct
         (c) 2007 American Mathematical Society
File 256:TecInfoSource 82-2007/May
         (c) 2007 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
```

Mpl Abstract files *Nothing found

```
Set     Items   Description
S1    1042421   ((CABLE OR DATA)()MODEM? OR CABLE? OR COMMUNICATION? OR DA-
             TA OR HIGH???()SPEED? OR BROADBAND OR HOOK()UP)(3N)(MODEM? OR
             DEVICE? OR INSTRUMENT? OR MECHANISM? OR MACHINE? ? OR UNIT? OR
              APPARAT? OR HARDWARE?)
S2      43042   S1(3N)(CONNECT? OR LINK??? OR COUPL?)
S3        563   S2(5N)(STYLE? ? OR TYPE? OR KIND? ?)
S4       1053   S2:S3(5N)(MONITOR? OR DETERMIN? OR COMPAR? OR DISCERN? OR -
             ASCERTAIN? OR ANALY? OR IDENT? OR CHECK? OR VERIF? OR JUDG???-
             ?)
S5         28   S4(5N)(DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
             NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6         21   RD  (unique items)
File 275:Gale Group Computer DB(TM) 1983-2007/Sep 21
         (c) 2007 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Sep 24
         (c) 2007 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2007/Sep 24
         (c) 2007 The Gale Group
File  16:Gale Group PROMT(R) 1990-2007/Sep 26
         (c) 2007 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2007/Sep 21
         (c)2007 The Gale Group
File 624:McGraw-Hill Publications 1985-2007/Sep 27
         (c) 2007 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2007/Sep 26
         (c) 2007 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2007/Sep W4
         (c) 2007 CMP Media, LLC
File 674:Computer News Fulltext 1989-2006/Sep W1
         (c) 2006 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2007/Sep 28
         (c) 2007 Dialog
File 369:New Scientist 1994-2007/Aug W2
         (c) 2007 Reed Business Information Ltd.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2007/Sep 28
         (c) 2007 Business Wire.
File 613:PR Newswire 1999-2007/Sep 28
         (c) 2007 PR Newswire Association Inc
```

Full Text Npl files

6/3,K/7 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01173968 Supplier Number: 42374221 (USE FORMAT 007 FOR FULLTEXT)
New Data Analyser Automatically **Tests** Modem Connect **Reliability**
News Release, p1
Sept 20, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 351

New Data Analyser Automatically **Tests** Modem Connect **Reliability**
... Eatontown, NJ 07724
201/544-8700
FAX; 201/544-8347
TWX: 510/601-5535

New **Data Analyser Automatically** Tests **Modem Connect** Reliability

Telecom **Analysis** Systems, Inc. has announced a new product that solves one of the toughest problems facing...

6/3,K/12 **(Item 2 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)

04432745 Supplier Number: 46503148 (USE FORMAT 7 FOR FULLTEXT)
SCADA system configures itself automatically
Control and Instrumentation, p46
July, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 107

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
FGH has adopted the SpecView SCADA software. For GBP195 you get a system that **automatically** scans **communications links , identifies instruments** , sets up matching tables, and provides a starting screen of animated instrument faceplates on one...